

(10)
SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Andrea Valenti Examiner #: 78503 Date: 5/8/03
 Art Unit: 3643 Phone Number 305-3010 Serial Number: 09/830,529
 Mail Box and Bldg/Room Location: CPK 5 3411 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: use of clay and lipid formulations to protect horticulture Crops from sunburn + insect damage

Inventors (please provide full names): Rudolf Kammerer
Lawrence Schrader

Earliest Priority Filing Date: 10/27/98 (10/26/99 in PALM)

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please see attached claims

- A fruit or vegetable coated with clay + wax
- sunburn + insects

47/058.1FV 106/18.29 106/660 106/157.71
 a 6.1b. 079? c 09d. 005? c 01b. 016? c 081. 089?
 a 61c. 001?
 a 61g. 001?
 a 61h. 003?

STAFF USE ONLY

Searcher: E. Glass, Darby

Searcher Phone #: 306-596-72

Searcher Location: FIC 3100

Date Searcher Picked Up: 5/9/03

Date Completed: 5/9/03

Searcher Prep & Review Time: _____

Clerical Prep Time: _____

Online Time: _____

Type of Search

NA Sequence (#) _____ STN _____

AA Sequence (#) _____ Dialog _____

Structure (#) _____ Questel/Orbit _____

Bibliographic _____ Dr. Link _____

Litigation _____ Lexis/Nexis _____

Fulltext _____ Sequence Systems _____

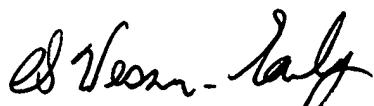
Patent Family _____ WWW/Internet _____

Other _____ Other (specify) _____

May 9, 2003

Dear Examiner Valenti -

Here are the results of your search request for case no. 09/830,529. If a modification or re-focus of the search is needed, please let me know.



Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov

EIC 3600

Search Results

Feedback Form (Optional)



Scientific & Technical Information Center

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact **the EIC searcher** who conducted the search **or contact:**

Karen Lehman, 306-5783

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* *Example: 3610*

➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- Foreign Patent(s)
- Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Search results were not useful in determining patentability or understanding the invention.

Other Comments:

?show files;ds
File 348:EUROPEAN PATENTS 1978-2003/Apr W04
• (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030501,UT=20030424
• (c) 2003 WIPO/Univentio
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)
• (c) 2003 JPO & JAPIO
File 351:Derwent WPI 1963-2003/UD,UM &UP=200329
• (c) 2003 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
• (c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	3	AU='KAMMERECK':AU='KAMMERECK RUDOLF'
S2	35	AU='SCHRADER L':AU='SCHRADER L E'
S3	2	AU='SCHRADER LAWRENCE E'
S4	120795	IC=(A01B-079? OR A01C-001? OR A01G-001? OR A01H-003? OR C0- 9D-005? OR C04B-016? OR C04B-024? OR C08L-089? OR C09D-189? OR C09J-189?)
S5	2	S2 AND S4
S6	5	S1 OR S3 OR S5
S7	5	IDPAT (sorted in duplicate/non-duplicate order)
S8	3	IDPAT (primary/non-duplicate records only)

8/3,K/1 (Item 1 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

013178651

WPI Acc No: 2000-350524/200030

XRAM Acc No: C00-106573

XRPX Acc No: N00-262672

Plant protective composition for treating fruits and vegetables, contains lipophilic thixotropic smectic clay and wax emulsion comprising natural wax, oleic acid, morpholine, and water

Patent Assignee: UNIV WASHINGTON STATE RES FOUND (UNIW)

Inventor: KAMMERECK R ; SCHRADER L E

Number of Countries: 090 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200024264	A1	20000504	WO 99US25350	A	19991026	200030 B
AU 200013294	A	20000515	AU 200013294	A	19991026	200039

Priority Applications (No Type Date): US 98106059 P 19981027

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200024264 A1 E 37 A23B-004/10

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200013294 A A23B-004/10 Based on patent WO 200024264

Inventor: KAMMERECK R ...

8/3,K/2 (Item 2 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

008270052

WPI Acc No: 1990-157053/199021

XRAM Acc No: C90-068363

Antistatic coating of hot-melt adhesive layers - by applying soln. or dispersion of electrically-conducting substance, opt. contg. binder, and removing solvent or dispersion medium

Patent Assignee: BAYER AG (FARB)

Inventor: JONAS F; SCHRADER L ; WALDENRATH W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3838652	A	19900517	DE 3835652	A	19881115	199021 B

Priority Applications (No Type Date): DE 3838652 A 19881115; DE 3835652 A 19881115

...Inventor: SCHRADER L

...International Patent Class (Additional): C09D-005/24

8/3,K/3 (Item 3 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

007984666

WPI Acc No: 1989-249778/198935

XRAM Acc No: C89-111273

Antistatic finishing process for plastic mouldings - comprises coating with polymer soln. contg. conductivity carbon, removing solvent, and

head-treating

Patent Assignee: BAYER AG (FARB)

Inventor: JONAS F; **SCHRADER L**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3804813	A	19890824	DE 3804813	A	19880216	198935 B

Priority Applications (No Type Date): DE 3804813 A 19880216

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3804813	A	3		

...Inventor: **SCHRADER L**

...International Patent Class (Additional): **C09D-005/24**

?show files;ds
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)
J (c) 2003 JPO & JAPIO
File 351:Derwent WPI 1963-2003/UD,UM &UP=200329
(c) 2003 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	71024	CLAY OR LIPOPHILIC OR THIXOTROPIC OR SMECTIC
S2	56123	WAX OR CARNAUBA OR CANDELILLA OR MONTAN OR BEESWAX
S3	208455	EMULSI? OR IONIC()HYDROPHILIC OR (OLEIC OR STEARIC)()ACID
S4	422608	PLANT? ? OR FRUIT? ? OR VEGETABLE? ? OR TREE? ? OR APPLE? ? OR TOMATO?? OR MELON? ? OR BERRY OR BERRIES OR ONION? ? OR C- ABBAGE? ? OR MAPLE OR EVERGREEN? ? OR PINE? ? OR FIR OR FIRS - OR CULTIVAR? ?
S5	94450	INSECT? ? OR SUN OR SUNBURN OR PEST? ? OR VERMIN OR PARASI- TE? ? OR BUG OR BUGS
S6	4915076	SPRAY??? OR JET OR JETTED OR COAT??? OR SPREAD??? OR ATOMI- Z??? OR ATOMIS??? OR FOAM??? OR MIST??? OR SPRINKL??? OR APPLY OR APPLI? OR DISPERS??? OR DISTRIBUTE? OR FILM
S7	34	S1(3N)S2(3N)S3
S8	3	S4(10N)S7
S9	2	S8(S) (S5 OR S6)
S10	13	S7(S) (S5 OR S6)
S11	112115	IC=(A01B-079? OR A01C-001? OR A01G-001? OR A01H-003? OR C0- 9D-005? OR C04B-016? OR C04B-024? OR C08L-089? OR C09D-189? OR C09J-189?)
S12	1	S7 AND S11
S13	14	S7(S) (S4 OR S5 OR S6)
S14	14	S10 OR S13 <
S15	14	IDPAT (sorted in duplicate/non-duplicate order)
S16	14	IDPAT (primary/non-duplicate records only)

16/3,K/1 (Item 1 from file: 351)

DIALOG(R)File 351:Derwent WPI

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014253868

WPI Acc No: 2002-074568/200210

Related WPI Acc No: 2001-456424

XRAM Acc No: C02-022118

Hairstick cosmetic composition comprises hydrophobic lipophilic materials
Patent Assignee: SCHLAEGER G D (SCHL-I)

Inventor: SCHLAEGER G D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010028891	A1	20011011	US 98119143	A	19980720	200210 B
			US 2001817691	A	20010326	

Priority Applications (No Type Date): US 98119143 A 19980720; US 2001817691
A 20010326

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20010028891	A1	19	A61K-007/06	Cont of application US 98119143
				Cont of patent US 6241978

Abstract (Basic):

... B) a bifluous process for creating solid invert emulsified composition by liquefying and **dispersing** blends of the carrier waxes separately which do not comprise more than 80 vol. or...

...together by thixotropic involving thermal mechanical excitation to form homogeneous emulsion having the additives evenly **dispersed** into a solid invert **emulsion** having the hydrophobic anhydrous **lipophilic wax** -oil components surround or encapsulating the aqueous hydrophilic active ingredients within the wax-based carrier...

16/3,K/2 (Item 2 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

013178651

WPI Acc No: 2000-350524/200030

XRAM Acc No: C00-106573

XRPX Acc No: N00-262672

Plant protective composition for treating fruits and vegetables , contains lipophilic thixotropic smectic clay and wax emulsion comprising natural wax , oleic acid , morpholine, and water

Patent Assignee: UNIV WASHINGTON STATE RES FOUND (UNIW)

Inventor: KAMMERECK R; SCHRADER L E

Number of Countries: 090 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200024264	A1	20000504	WO 99US25350	A	19991026	200030 B
AU 200013294	A	20000515	AU 200013294	A	19991026	200039

Priority Applications (No Type Date): US 98106059 P 19981027

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200024264	A1	E	37 A23B-004/10	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

- J Plant protective composition for treating fruits and vegetables , contains lipophilic thixotropic smectic clay and wax emulsion comprising natural wax , oleic acid , morpholine, and water

Abstract (Basic):

... A plant protective composition comprises 0.5-10 wt.% lipophilic thixotropic smectic clay and 90-99.5 wt.% wax emulsion . The wax emulsion comprises 5-10 wt.% natural wax, 1-15 wt.% oleic acid, 1-15 wt.% morpholine...
... 2) A fruit or vegetable coated with a plant protective coating comprising lipophilic thixotropic smectic clay and a wax emulsion .

16/3,K/3 (Item 3 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

013068568

WPI Acc No: 2000-240440/200021

XRAM Acc No: C00-073498

XRXPX Acc No: N00-180590

Reversible thermosensitive recording medium for facsimile, comprises a saturated aliphatic group containing coloring agent and alkali salt of styrene-acrylate-methacrylic acid copolymer

Patent Assignee: OJI PAPER CO (OJIP)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000052661	A	20000222	JP 98224469	A	19980807	200021 B

Priority Applications (No Type Date): JP 98224469 A 19980807

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000052661	A	12		B41M-005/30	

16/3,K/4 (Item 4 from file: 351)

DIALOG(R)File 351:Derwent WPI

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012031749 **Image available**

WPI Acc No: 1998-448659/199839

XRAM Acc No: C98-136112

XRXPX Acc No: N98-349843

Waste dump surface sealing layer - has bonded, consolidated and immobilised soil material covering a levelling layer

Patent Assignee: SRS DEPONIEBAU GMBH (SRSD-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29807878	U1	19980820	DE 98U2007878	U	19980504	199839 B

Priority Applications (No Type Date): DE 98U2007878 U 19980504

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 29807878	U1	9		B09B-001/00	

...Abstract (Basic): consolidated and immobilised soil material which covers a levelling layer (12), preferably of soil material, applied on the waste dump (11). The soil material may consist at least partially of contaminated...

...and is preferably bonded hydraulically with lime and/or cement or bonded with ash, slag, **clay** dust, waterglass, an **emulsion**, **wax**, resin and/or metal recycling residues...

16/3,K/5 (Item 5 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

010104985

WPI Acc No: 1995-006238/199501

XRAM Acc No: C95-002078

Synergistic microbicidal agent for protection of industrial materials - contains mixt. of benzyl alcohol hemi-formal and isothiazolinone deriv., esp. octhilinone

Patent Assignee: BAYER AG (FARB)

Inventor: KUGLER M; LEHMANN H; WACHTLER P

Number of Countries: 040 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9426111	A1	19941124	WO 94EP1459	A	19940506	199501 B
DE 4316845	A1	19941124	DE 4316845	A	19930519	199501
AU 9469256	A	19941212	AU 9469256	A	19940506	199521
EP 699030	A1	19960306	EP 94917587	A	19940506	199614
			WO 94EP1459	A	19940506	
EP 699030	B1	19970723	EP 94917587	A	19940506	199734
			WO 94EP1459	A	19940506	
DE 59403472	G	19970828	DE 503472	A	19940506	199740
			EP 94917587	A	19940506	
			WO 94EP1459	A	19940506	
ES 2105718	T3	19971016	EP 94917587	A	19940506	199748

Priority Applications (No Type Date): DE 4316845 A 19930519

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9426111 A1 G 25 A01N-043/80

Designated States (National): AU BB BG BR BY CA CN CZ FI HU JP KR KZ LK NO NZ PL RO RU SK UA US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE

AU 9469256 A A01N-043/80 Based on patent WO 9426111

EP 699030 A1 G A01N-043/80 Based on patent WO 9426111

Designated States (Regional): AT BE CH DE DK ES FR GB IT LI NL PT SE

EP 699030 B1 G 6 A01N-043/80 Based on patent WO 9426111

Designated States (Regional): AT BE CH DE DK ES FR GB IT LI NL PT SE

DE 59403472 G A01N-043/80 Based on patent EP 699030

Based on patent WO 9426111

ES 2105718 T3 A01N-043/80 Based on patent EP 699030

DE 4316845 A1 A01N-043/80

...Abstract (Basic): cleaners, mineral oils and their prods., additives used in leather, textile and photochemical processing, inks, **dispersion** dyes, sizes, **wax** and **clay emulsions**, gelatine preps. and cosmetics. Protection is typically achieved using 0.01-20 wt.%, pref. 0...

...2 wt.%, of the mixt. of (I) and (II), with this being incorporated into or **applied** to the material to be protected...

16/3,K/6 (Item 6 from file: 351)

DIALOG(R)File 351:Derwent WPI

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009959259

WPI Acc No: 1994-226972/199428

XRAM Acc No: C94-103930

✓ Sealing compsn. for use in tail seals of tunnelling machines - comprises petroleum derived wax or wax -consistency hydrogenated vegetable oil or animal fat, lipophilic emulsifier and water

Patent Assignee: UNIV OXFORD BROOKES (UYOX-N)

Inventor: WASHBOURNE J

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 607053	A1	19940720	EP 94300265	A	19940114	199428 B
CA 2113489	A	19940716	CA 2113489	A	19940114	199435
US 5478385	A	19951226	US 94183409	A	19940118	199606
EP 607053	B1	19980603	EP 94300265	A	19940114	199826
DE 69410640	E	19980709	DE 610640	A	19940114	199833
			EP 94300265	A	19940114	

Priority Applications (No Type Date): GB 93753 A 19930115

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 607053 A1 E 7 C09K-003/10

Designated States (Regional): DE FR GB

US 5478385 A 3 C09K-003/10

EP 607053 B1 E C09K-003/10

Designated States (Regional): DE FR GB

DE 69410640 E C09K-003/10 Based on patent EP 607053

CA 2113489 A C09K-003/10

... comprises petroleum derived wax or wax -consistency hydrogenated vegetable oil or animal fat, lipophilic emulsifier and water

16/3,K/7 (Item 7 from file: 351)

DIALOG(R)File 351:Derwent WPI

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008105909

WPI Acc No: 1989-371020/198951

XRAM Acc No: C89-164318

Hand-sprayable silicone-contg. polish compsns. esp. or automobiles - comprise slightly alkaline aq. dispersion contg. amino-functional siloxane fluid, self- emulsifying wax , polishing clay and dispersant

Patent Assignee: TURTLE WAX INC (TURT-N)

Inventor: VARGA S I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 1186091	A	19850423	CA 416679	A	19821130	198951 B

Priority Applications (No Type Date): US 82419964 A 19820920

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

CA 1186091 A 34

... comprise slightly alkaline aq. dispersion contg. amino-functional siloxane fluid, self- emulsifying wax , polishing clay and dispersant

16/3,K/8 (Item 8 from file: 351)

DIALOG(R)File 351:Derwent WPI

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004467283

WPI Acc No: 1985-294161/198547

XRAM Acc No: C85-127519

XRPX Acc No: N85-219208

Heat-sensitive recording sheet - having layer contg.

1,1,3-tri(2-methyl-4-hydroxy 5-t-butylphenyl) butane between base and heat sensitive layer

Patent Assignee: HOKUETSU SEISHI KK (HOKP)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 60204391	A	19851015	JP 8461008	A	19840330	198547 B

Priority Applications (No Type Date): JP 8461008 A 19840330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 60204391	A		6		

...Abstract (Basic): etc. Colouring material/compound (I) ratio is pref. 100/10-100/500. (I) is pref. coated after mixing with binder such as starch, PVA, CMC, casein, gelatin, etc. Heat-sensitive colouring layer coat weight is pref. 2-15 (3-10) g/m². Heat-sensitive colouring layer may contain wax (such as stearic acid, polyethylene, carnauba wax), pigment (such as talc, clay, calcium carbonate), amide, etc...

16/3,K/9 (Item 9 from file: 351)

DIALOG(R)File 351:Derwent WPI

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003702417

WPI Acc No: 1983-62399K/198326

XRAM Acc No: C83-060552

polyVinylidene chloride copolymer latex prepn. - by adding anionic latex of copolymer with soln. of antistatic agent based on surfactants

Patent Assignee: KOHJIN CO LTD (KOJK)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 58084842	A	19830521	JP 81182260	A	19811116	198326 B
JP 86049340	B	19861029				198647

Priority Applications (No Type Date): JP 81182260 A 19811116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 58084842	A		4		

...Abstract (Basic): The process overcomes such a disadvantage to provide improved emulsion having high stability. It is coated on polypropylene, Nylon or polyester film to provide highly antistatic effect on the substrate film. Pref. nonionic surfactant is typically polyoxyethylene alkylene ether, polyoxyethylene alkylphenyl ether, polyoxyethylene fatty acid ester...

...The nonionic surfactant and antistatic agent are mixed for 15-30 min. or longer. The emulsion is blended opt. with silica, clay or wax for improving the slipping or antiblocking activity of coated film and then coated on substrate film .

16/3,K/10 (Item 10 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

003173777

WPI Acc No: 1981-34323D/198119

Glass fibre elastomeric coating compsn. - contg. elastomeric plasticiser and latex, hydrophilic- lipophilic agent, antioxidant, wax emulsion , amine and polyhydroxylated glycol

Patent Assignee: PPG IND INC (PITT)

Inventor: STRAKA D C

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 4263362	A	19810421				198119	B
BE 886320	A	19810525				198124	
FR 2470102	A	19810605				198130	
NL 8006676	A	19820701				198230	
JP 57166340	A	19821013				198247	

Priority Applications (No Type Date): US 7996956 A 19791123

Glass fibre elastomeric coating compsn...

...contg. elastomeric plasticiser and latex, hydrophilic- lipophilic agent, antioxidant, wax emulsion , amine and polyhydroxylated glycol ,

16/3,K/11 (Item 11 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

000772483

WPI Acc No: 1971-14119S/197108

Water-in-oil emulsion for foodstuffs use

Patent Assignee: GRACE & CO W R (GRAC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 1492835	B					197108	B

Priority Applications (No Type Date): DE G44532 A 19650826

...Abstract (Basic): The emulsion, for the topping and coating of sugar- and flour-confectionery, contains 1.8-74% water and a fatty component contg...

...component consists of an edible fat or oil, contg. 1-10% of edible animal or vegetable wax . The hydrophilic emulsifier , if used has a hydrophilic/ lipophilic ratio of at least 7.8, and is e.g., lecithin, polyethyleneglycol-400-distearate, and...

16/3,K/12 (Item 12 from file: 351)

DIALOG(R)File 351:Derwent WPI

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000615481

WPI Acc No: 1968-60611P/196800

Aqueous dispersions of waxes and resins for coating

Patent Assignee: LASSITER FH (LAST)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 3250638	A					196800	B

Priority Applications (No Type Date): US 62166833 A 19620117

...Abstract (Basic): Coating paper with an aqueous dispersion of an acrylic resin, tributyl phosphate, clay , Mg. silicate casein, a defoaming agent, and emulsified carnauba or petroleum base oxidized

wax

16/3,K/13 (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06267607
WATER DROP-IN-OIL TYPE EMULSION EXPLOSIVE COMPOSITION

PUB. NO.: 11-209192 [JP 11209192 A]
PUBLISHED: August 03, 1999 (19990803)
INVENTOR(s): OKITSU TOSHIHIRO
SUZUKI ATSUSHI
SUZUKI NAOTO
APPLICANT(s): NIPPON KOKI CO LTD
APPL. NO.: 10-012357 [JP 9812357]
FILED: January 26, 1998 (19980126)

ABSTRACT

... phase, a water drop-in-oil type emulsifier, a specific gravity modifier and aluminium, aluminium **coated** with a **coating** agent consisting of a lipophilic substance or a specific inactive substance is added to an **emulsion** matrix. As the **lipophilic** substance, microcrystalline **wax** or paraffin **wax** is used. As the specific inactive substance, fluorine rubber, aluminium phosphate, oxidized wax, carnauba wax and synthetic wax are used. The **coating** agent is 1 to 5 wt.% to total weight of the aluminium. The aluminium **coated** with the **coating** agent is 3 to 7 wt.% to total weight of the explosive.

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16/3,K/14 (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO
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00899294
DEVELOPER SHEET FOR NO-CARBON COPYING PAPER

PUB. NO.: 57-049594 [JP 57049594 A]
PUBLISHED: March 23, 1982 (19820323)
INVENTOR(s): TORII NORIHIRO
SENOO SUEAKI
APPLICANT(s): MITSUBISHI PAPER MILLS LTD [000598] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-125014 [JP 80125014]
FILED: September 09, 1980 (19800909)
JOURNAL: Section: M, Section No. 141, Vol. 06, No. 124, Pg. 71, July 09, 1982 (19820709)

ABSTRACT

PURPOSE: To controll the amount of **coat** easily by a method wherein the **coating** liquid of no-carbon copying paper comprises active **clay**, polyvinyl alocohol, styrene-buitadiene latex and **wax emulsion**.

```

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      (c) format only 2003 The Dialog Corporation
File 203:AGRIS 1974-2003/Apr
      Dist by NAL, Intl Corp. All rights reserved
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      (c) 2003 ProQuest Info&Learning
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      (c) 2003 The HW Wilson Co.
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      (c) 2003 The HW Wilson Co
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      (c) 2003 BIOSIS
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File 31:World Surface Coatings Abs 1976-2003/Apr
      (c) 2003 Paint Research Assn.
File 399:CA SEARCH(R) 1967-2003/UD=13819
      (c) 2003 American Chemical Society

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Set	Items	Description
S1	486238	CLAY OR LIPOPHILIC OR THIXOTROPIC OR SMECTIC
S2	84388	WAX OR CARNAUBA OR CANDELILLA OR MONTAN OR BEESWAX
S3	380641	EMULSI? OR IONIC()HYDROPHILIC OR (OLEIC OR STEARIC)()ACID
S4	10759225	PLANT? ? OR FRUIT? ? OR VEGETABLE? ? OR TREE? ? OR APPLE? ? OR TOMATO?? OR MELON? ? OR BERRY OR BERRIES OR ONION? ? OR C- ABBAGE? ? OR MAPLE OR EVERGREEN? ? OR PINE? ? OR FIR OR FIRS - OR CULTIVAR? ?
S5	3371600	INSECT? ? OR SUN OR SUNBURN OR PEST? ? OR VERMIN OR PARASI- TE? ? OR BUG OR BUGS
S6	12967146	SPRAY??? OR JET OR JETTED OR COAT??? OR SPREAD??? OR ATOMI- Z??? OR ATOMIS??? OR FOAM??? OR MIST??? OR SPRINKL??? OR APPLY

OR APPLI? OR DISPERS??? OR DISTRIBUTE? OR FILM
S7 12 S1(3N)S2(3N)S3
S8 0 S4(10N)S7
S9 0 S8(S)(S5 OR S6)
S10 0 S7(S)S4
S11 16 S1(5N)S2(5N)S3
S12 0 S4 AND S11
S13 0 S5 AND S6 AND S11
S14 551108 CLAY? ? OR LIPOPHILI? OR THIXOTROPI? OR SMECTIC? ?
S15 328552 WAX?? OR CARNAUBA? ? OR CANDELILLA? ? OR MONTAN? ? OR BEES-
WAX??
S16 383858 EMULSI? OR IONIC()HYDROPHILIC OR (OLEIC OR STEARIC)()ACID?
?
S17 23 S14(5N)S15(5N)S16
S18 0 S17(S)(S4 OR S5)
S19 2 S17 AND (S4 OR S5)
S20 1 S6(S)S17
S21 18 S17 NOT PY>1998
S22 18 S21 NOT PD=19981028:20030630
S23 17 RD (unique items)

23/AN,AA, TI/1 (Item 1 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

BIOSIS NO.: 000092118672
RECLAMATION OF WAX FROM WASTE CLAY PRODUCED DURING THE REFINING OF OIL
USING LIQUID MEMBRANE EMULSIFICATION

23/AN,AA, TI/2 (Item 2 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

BIOSIS NO.: 000082016544
A DISSOLUTION METHOD FOR HARD AND SOFT GELATIN CAPSULES CONTAINING
TESTOSTERONE UNDECANOATE IN OLEIC-ACID

23/AN,AA, TI/3 (Item 3 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

BIOSIS NO.: 000079055568
HYDRODYNAMIC BEHAVIOR OF WATER-TRI-N-BUTYLPHOSPHATE EMULSIONS DURING
ULTRAFILTRATION

23/AN,AA, TI/4 (Item 1 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

07711129 PASCAL No.: 87-0190672
Les masques de beaute. I
(Beauty masks. I)

23/AN,AA, TI/5 (Item 1 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00144088
TITLE: SPECIFICATION TS 10163. NATURAL/POLYBUTADIENE RUBBER, LOW
CRYSTALLIZATION TYPE, EXTRUSION GRADE (70 IRHD), LONDON, 1977

23/AN,AA, TI/6 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00414305
E.I. Monthly No: EI7412079146
Title: BLEEDING OF CEMENT PASTES CONTAINING PARAFFIN WAX EMULSIONS
AND CLAYS .

23/AN,AA, TI/7 (Item 1 from file: 31)
DIALOG(R)File 31:(c) 2003 Paint Research Assn. All rts. reserv.

00310610 WSCA ID NUMBER: 42829
Paperboard laminating adhesive containing polyvinyl acetate or
styrene/butadiene polymers, paraffin wax, clay and polyalkylene glycol.

23/AN,AA, TI/8 (Item 1 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Cosmetic makeup emulsions containing insoluble polymers and lipophilic
oils
APPLICATION: WO 96US5535 (19960423) *GB 9510229 (19950520)

23/AN,AA, TI/9 (Item 2 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Continuous slot-milling process for forming subterranean vertical walls, especially for sealing hazardous waste deposits with a sealing composition, and apparatus for introducing the sealing composition into the fill area
APPLICATION: DE 4440691 (941115)

23/AN,AA, TI/10 (Item 3 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Water-in-oil cosmetic emulsions containing betaine and their manufacture
APPLICATION: JP 94261127 (940930)

23/AN,AA, TI/11 (Item 4 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Liquid-solid and liquid-liquid interfacial tensions for reclamation of wax from waste clay in oil refining by O/W surfactant emulsion

23/AN,AA, TI/12 (Item 5 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Reclamation of wax from waste clay in oil refining by liquid membrane emulsification

23/AN,AA, TI/13 (Item 6 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Cosmetic solid water-in-oil emulsions
APPLICATION: JP 88241488 (880927)

23/AN,AA, TI/14 (Item 7 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Stable water-in-oil type emulsions
APPLICATION: JP 85108001 (850520)

23/AN,AA, TI/15 (Item 8 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Emulsion explosives
APPLICATION: EP 85301543 (850306) *GB 847302 (840321) *GB 8415205 (840614)

23/AN,AA, TI/16 (Item 9 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Stable cosmetics
APPLICATION: JP 81203409 (811218)

23/AN,AA, TI/17 (Item 10 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

Wax emulsions containing proteinaceous emulsifiers
APPLICATION: United States US 887413 DATE: 691222

23/3,K/6 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00414305 E.I. Monthly No: EI7412079146

Title: BLEEDING OF CEMENT PASTES CONTAINING PARAFFIN WAX EMULSIONS
AND CLAYS .

Author: Bruere, G. M.

Corporate Source: CSIRO, Victoria, Aust

Source: Cement and Concrete Research v 4 n 4 Jul 1974 p 557-566

Publication Year: 1974

CODEN: CCNRAI ISSN: 0008-8846

Language: ENGLISH

Title: BLEEDING OF CEMENT PASTES CONTAINING PARAFFIN WAX EMULSIONS
AND CLAYS .

Abstract: Bleeding properties were studied in cement pastes containing a number of different paraffin wax emulsions and clays . These additives are put in order to slow down the water separation in mortars that...

23/3,K/17 (Item 10 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

83012431 CA: 83(2)12431t PATENT

Wax emulsions containing proteinaceous emulsifiers

INVENTOR(AUTHOR): Campbell, Craig C.

LOCATION: USA

ASSIGNEE: Mobil Oil Corp.

PATENT: United States US 3869414 DATE: 750304

APPLICATION: United States US 887413 DATE: 691222

PAGES: 6 pp. CODEN: USXXAM CLASS: 260-6; B01j

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File 15:ABI/Inform(R) 1971-2003/May 09
      (c) 2003 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2003/May 08
      (c) 2003 Resp. DB Svcs.
File 621:Gale Group New Prod.Annou.(R) 1985-2003/May 08
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      (c) 2003 FIZ TECHNIK
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Set	Items	Description
S1	109509	CLAY? ? OR LIPOPHILI? OR THIXOTROPI? OR SNECTIC? ?
S2	171075	WAX?? OR CARNAUBA? ? OR CANDELILLA? ? OR MONTAN? ? OR BEES-WAX??
S3	37673	EMULSI? OR IONIC()HYDROPHILIC OR (OLEIC OR STEARIC) ()ACID?
S4	3197009	PLANT? ? OR FRUIT? ? OR VEGETABLE? ? OR TREE? ? OR APPLE? ? OR TOMATO?? OR MELON? ? OR BERRY OR BERRIES OR ONION? ? OR CABBAGE? ? OR MAPLE OR EVERGREEN? ? OR PINE? ? OR FIR OR FIRS - OR CULTIVAR? ?
S5	880782	INSECT? ? OR SUN OR SUNBURN OR PEST? ? OR VERMIN OR PARASITE? ? OR BUG OR BUGS
S6	7483071	SPRAY??? OR JET OR JETTED OR COAT??? OR SPREAD??? OR ATOMIZ??? OR ATOMIS??? OR FOAM??? OR MIST??? OR SPRINKL??? OR APPLY OR APPLI? OR DISPERS??? OR DISTRIBUTE? OR FILM
S7	7	S1(3N)S2(3N)S3
S8	0	S4(10N)S7
S9	0	S8(S)(S5 OR S6)
S10	13	S1(5N)S2(5N)S3
S11	8	S10 NOT PY>1998
S12	8	S11 NOT PD=19981028:20030630
S13	8	RD (unique items)

13/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c). 2003 ProQuest Info&Learning. All rts. reserv.

00597842 92-13015

Automotive Chemicals '92: Aftermarket - Flat Is Good

Tilton, Helga

Chemical Marketing Reporter v241n7 PP: SR11-SR12 Feb 17, 1992

ISSN: 0090-0907 JRNLD CODE: CHM

WORD COUNT: 1454

...TEXT: Celanese. The company offers Hoechst Waxes, derived from crude montan wax, for formulation in car **waxes**. Generally, polishes consist of a **wax** /silicone oil mixture, a **clay** -derived abrasive, water and surfactant/ **emulsifier**.

The sector is under siege to reduce volatile organic compound (VOC) levels, while having to...

13/3,K/2 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08933408 SUPPLIER NUMBER: 18586798 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Softening skin with emollient ingredients.

Woodruff, John

Manufacturing Chemist, v67, n6, p27(3)

June, 1996

ISSN: 0262-4230 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2029 LINE COUNT: 00176

... 2 (HLB 4.9) with steareth-21 (HLB15.5) gives good results for o/w **emulsions**, and polyglyceryl-3 **beeswax** may be used to form a **thixotropic** gel with polar oils. PEG-7 hydrogenated castor oil, dicocoyl pentaerythrityl distearyl citrate and methoxy...

13/3,K/3 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07674284 SUPPLIER NUMBER: 16429243 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Materials handbook.

Ceramic Industry, v144, n1, p57(80)

Jan, 1995

ISSN: 0009-0220 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 121175 LINE COUNT: 10041

... to produce brown underglaze colors, especially with manganese stains which may be added to a **clay** or body. Iron chromate is also used to color engobes, and has been a constituent...

13/3,K/4 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06790225 SUPPLIER NUMBER: 14791495 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Computerized optimization of a white sidewall. (tire formulation)

Evans, Larry R.; Waddell, Walter H.

Rubber World, v209, n2, p18(4)

Nov, 1993

ISSN: 0035-9572 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2708 LINE COUNT: 00312

... SBR(d)	20	0	0
Titanium dioxide	30	35	20
Talc(f)	0	34	0
Clay (g)	30	32	70
Stearic acid	1	2	1
Petroleum wax (h)	1	1.5	1.5
Paraffinic processing oil(i)	0	4	0
Ultramarine blue...			

13/3,K/5 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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06228424 SUPPLIER NUMBER: 12533052 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Cosmetic raw materials: literature and patent review 1990-1991. (includes references) (New Raw Materials)

Fox, Charles
Cosmetics and Toiletries, v107, n8, p91(13)
August, 1992
ISSN: 0361-4387 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 11034 LINE COUNT: 01019

... On vehicles: Hameyer wrote on the use of organosilicon emulsifiers to form water-in-oil **emulsions**; [37] Proserpio on the use of **clays** in cosmetics; [38] Horiuchi on the **emulsifying** properties of naturally-occurring **waxes**; [39] and Assmus et al. described the preparation and structure of aluminum magnesium hydroxystearate and...

13/3,K/6 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06204782 SUPPLIER NUMBER: 13574724 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Aqueous silicone solutions for water-repellant applications.
Stark-Kasley, Lori A.
Modern Paint and Coatings, v82, n10, p120(4)
Oct, 1992
ISSN: 0098-7786 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1718 LINE COUNT: 00161

... aqueous systems as water repellants assumes an ever-increasing importance. Water-based products are typically **emulsions** of a **lipophilic** material, such as **wax emulsions**, acrylic **emulsions**, latex paints, silicone elastomeric latices, emulsions of silanes and siloxanes.

Silanes
Solvent-based silanes available...

13/3,K/7 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05785015 SUPPLIER NUMBER: 11876702 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Flat is good. (automotive maintenance and appearance chemicals have flat sales in 1991) (Automotive Chemicals '92) (Industry Overview)
Tilton, Helga
Chemical Marketing Reporter, v241, n7, pSR11(2)
Feb 17, 1992
DOCUMENT TYPE: Industry Overview ISSN: 0090-0907 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1562 LINE COUNT: 00128

... Celanese. The company offers Hoechst Waxes, derived from crude montan wax, for formulation in car **waxes**. Generally, polishes consist of **wax**/silicone oil mixture, a **clay**-derived abrasive, water and surfactant/**emulsifier**.

The sector is under siege to reduce volatile organic compound (VOC) levels, while having to...

13/3,K/8 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

01751632 SUPPLIER NUMBER: 02623045 (USE FORMAT 7 OR 9 FOR FULL TEXT)

'Lube' that **underground cable!**

Holmquist, Donald G.

Telephone Engineer & Management, v87, p60(2)

Feb 1, 1983

ISSN: 0040-263X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 901 LINE COUNT: 00072

... possible.

There are several general classes of lubricants used to pull cable. These are: (1) **wax**/glycerin/water **emulsions**, (2) Bentonite **clay**/water (with or without ethylene glycol), (3) Polymer/water, (4) Hydrocarbon grease.

The wax emulsion...